Slow File Transfer to Share Network Bandwidth

Disclosure BOC8-1999-0032

Created By: Glen Walters **Created On:**
Last Modified By: Elaine Venturelli **Last Modified On:**

*** IBM Confidential ***

Required fields are marked with the asterisk (*) and must be filled in to complete the form .

Summary

Status	Under Evaluation
Processing Location	BOC
Functional Area	Telecommunications & Media
Attorney/Patent Professional	Richard Tomlin/Boca Raton/IBM
IDT Team	Edie Stern/Fort Lauderdale/IBM
Submitted Date	
Owning Division	NA
PVT Score	To calculate a PVT score, use the 'Calculate PVT' button.

Inventors with Lotus Notes ID's
Inventors: Glen Walters/Fort Lauderdale/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
Walters, Glen R.	940789	45/9DQA	402512	Deas, H. (Happy)

Inventors without Lotus Notes ID's

IDT Selection

IDT Team		Attorney/Patent Professional		
Edie Stern/Fort Lauderdale/IBM		Richard Tomlin/Boca Raton/IBM		

Response Due to IP&L					

Main Idea
*Title of disclosure (in English)
Slow File Transfer to Share Network Bandwidth

*Idea of disclosure

1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

Many applications perform network downloads that are unimportant to the current execution of the program. For example, the IBM Global Network Dialer on each login checks for program and phone-list updates. If a new version is available, the application begins downloading that version. Even though the results of this download won't be used until the next session, the download occurs at the fastest speed possible on that dialup link, resulting in slower network performance on other applications. The end user signed on to the network to run a particular application, and that application's performance is suffering due to a relatively unimportant download using too much of the limited bandwidth.

The solution is to tell the server how fast it should feed the client the download. Without the invention, the server would feed the client as fast as it could keep up, thereby filling the available bandwidth. If the

Slow File Transfer to Share Network Bandwidth

download could be configured to take no more than, say, 25% of the available bandwidth, that would leave a considerable amount available to the applications which are more important to the end user.

2. How does the invention solve the problem or achieve an advantage,(a description of "the invention", including figures inline as appropriate)?

A typical download (taking the form of an HTTP or FTP request) would take place at the fastest rate supported by the interface (e.g. 28.8Kbps). In the present invention, a server entity (HTTP servlet or CGI, specialized FTP server, etc.) would be instructed to never exceed a predetermined data transmission rate (e.g. 7.2Kbps), which may or may not be configurable by the end user. This would free up the remainder of the interface's maximum bandwidth for use by other applications.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

None known.

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

The prototype for BOC8-1998-0110 (linked here:) could be used to demonstrate this invention.

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Inventors with Lotus Notes ID's
Inventors: Glen Walters/Fort Lauderdale/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
Walters, Glen R	942789	45/9DC/A	402512	Baas, R. (Happy)

Inventors without Lotus Notes ID's

IDT Selection

IDT Team:		Attorney/Patent Professional:	
Edie Stern/Fort Lauderdale/IBM		Richard Tomlin/Boca Raton/IBM	

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Main Idea
Title of disclosure (in English)
Slow File Transfer to Share Network Bandwidth

Idea of disclosure

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The prototype for **BOC8-1998-0110** (linked here:) could be used to demonstrate this invention.

FLEIT, KAIN,
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Miami • Fort Lauderdale • Boca Raton

TELECOPIER TRANSMITTAL FORM

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DATE:	May 23, 2005
TO:	**Examiner Kimberly D. Flynn**
FIRM:	USPTO, Group Art Unit 2153
FAX #:	(703) 872-9306
PHONE:	(703) 308-7609
FROM:	Jon A. Gibbons

TOTAL NUMBER OF PAGES: 50
(INCLUDING THIS PAGE) 51

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MESSAGE:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Victor S. MOORE et al.
Serial No.: 09/497,836
For: *USER INPUT BASED ALLOCATION OF BANDWIDTH ON A DATA LINK*

Enclosed are the following:

Transmittal letter (1 pg.); Response Without Amendment (16 pgs.); Previously Submitted Declaration under 37 CFR 1.131 (3 pgs.); Telecopier Transmittal Form (1 pg.); Auto-Reply Facsimile Transmission (1 pg.); Transmission Verification Report (1 pg.); and Previously Submitted Office Action Response dated 10/4/2004 (27 pgs.)

Docket No.: BC9-99-044   **120-A99-150**   **May 23, 2005**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	: Atty. Docket No. BC9-99-044
Victor S. MOORE, et al.	: Group Art Unit: 2153
Serial No. 09/497,836	: Examiner: Kimberly D. Flynn
Filed: February 3, 2000	: Confirmation No. 7966
For: *USER INPUT BASED ALLOCATION OF BANDWIDTH ON A DATA LINK*	

TRANSMITTAL

MAIL STOP AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

Transmitted herewith is an amendment in the above-identified application.

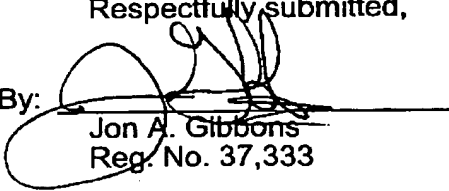The fee has been calculated as shown below. *(Small entity fees indicated in parentheses.)*

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Extra Claims	(6) Rate	(7) Fee
Total Claims (Small Entity)	18	-	20	0	50.00 (25.00)	0
Independent claims (Small Entity)	6	-	6	0	200.00 (100.00)	0
Multiple Dependent (Small Entity)	0	-	0	0	360.00 (180.00)	0
Extension of Time Fee (Small Entity)	**One Month** $120 ($60)		**Two Months** $450 ($225)	**Three Months** $1,020 ($510)		0
Total						**$0.00**

<u>XX</u> The Commissioner is hereby authorized to charge any required fees to Deposit Account No. **09-0452.**

Date: 5/23/05

Respectfully submitted,

By: _____
Jon A. Gibbons
Reg. No. 37,333

Customer No. 23334
Fleit, Kain, Gibbons, Gutman, Bongini & Bianco P.L.
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**FLEIT, KAIN,
GIBBONS, GUTMAN
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writer's e-mail: jgibbons@FocusOnIP.com

TELECOPIER TRANSMITTAL FORM

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DATE: October 4, 2004
TO: Examiner Kimberly D. Flynn
FIRM: USPTO, Group Art Unit 2153
FAX #:   (703) 872-9306
PHONE: (703) 308-7609   **TOTAL NUMBER OF PAGES: 27**
FROM: Jon A. Gibbons   **(INCLUDING THIS PAGE)**

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MESSAGE:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Victor S. MOORE et al.
Serial No.: 09/497,836
For: *USER INPUT BASED ALLOCATION OF BANDWIDTH ON A DATA LINK*

Enclosed are the following:

Transmittal letter (1 pg.); Petition for Extension of Time (1 pg.); Response and Amendment (21 pgs.); and 37 CFR 1.131 Declaration with invention disclosure (3 pgs.)

Docket No.: BC9-99-044   120-A99-150   October 4, 2004

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Received Cover Page ========>

10/04/2004 16:29 561-999-9012 FLEIT KAIN ET AL. PAGE 01/22

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Miami - Fort Lauderdale - Boca Raton

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TELECOPIER TRANSMITTAL FORM

DATE: October 4, 2004
TO: Examiner Kimberly D. Flynn
FIRM: USPTO, Group Art Unit 2153
FAX #: (703) 872-9306
PHONE: (783) 308-7609
FROM: Jon A. Gibbons

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MESSAGE:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Victor S. MOORE et al.
Serial No.: 09/497,836
For: USER INPUT BASED ALLOCATION OF BANDWIDTH ON A DATA LINK

Enclosed are the following:

Transmittal letter (1 pg.); Petition for Extension of Time (1 pg.); Response and Amendment (21 pgs.); and 37 CFR 1.131 Declaration with invention disclosure (3 pgs.)

Docket No.: BC9-99-044   120-A99-150   October 4, 2004

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PAGE 1/22 * RCVD AT 10/4/2004 4:32:32 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:561 989 9812 * DURATION (mm-ss):21-56

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│  TRANSMISSION VERIFICATION REPORT │
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TIME  : 10/04/2004 16:39
NAME  : FLEIT KAIN ET AL.
FAX   : 561-989-9812
TEL   : 561-989-9811
SER.# : 000L3J186396
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PAGE(S)	27
RESULT	OK
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writer's e-mail: jgibbons@FocusOnIP.com

TELECOPIER TRANSMITTAL FORM

DATE: October 4, 2004
TO: Examiner Kimberly D. Flynn
FIRM: USPTO, Group Art Unit 2153
FAX #: (703) 872-9306
PHONE: (703) 308-7609   **TOTAL NUMBER OF PAGES: 27**
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Serial No.: 09/497,836
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Docket No.: BC9-99-044   **120-A99-150**   **October 4, 2004**

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GIBBONS, GUTMAN
& BONGINI P.L.
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writer's e-mail: jgibbons@FocusOnIP.com

TELECOPIER TRANSMITTAL FORM

DATE: October 4, 2004
TO: **Examiner Kimberly D. Flynn**
FIRM: USPTO, Group Art Unit 2153
FAX #: (703) 872-9306
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FROM: Jon A. Gibbons

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Serial No.: 09/497,836
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Docket No.: BC9-99-044 . **120-A99-150** **October 4, 2004**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Victor S. MOORE, et al.

Serial No. 09/497,836

Filed: February 3, 2000

: Atty. Docket No. BC9-99-044

: Group Art Unit: 2153

: Examiner: Kimberly D. Flynn

: Confirmation No. 7966

For: *USER INPUT BASED ALLOCATION OF BANDWIDTH ON A DATA LINK*

TRANSMITTAL

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

Transmitted herewith is an amendment in the above-identified application, and the following:
X]   Petition for Extension of Time and 37 CFR 1.131 Declaration (w/invention disclosure)

The fee has been calculated as shown below. *(Small entity fees indicated in parentheses.)*

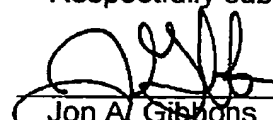| CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Extra Claims	(6) Rate	(7) Fee
Total Claims *(Small Entity)*	18	-	20	0	18.00 *(9.00)*	0
Independent claims *(Small Entity)*	6	-	6	0	88.00 *(44.00)*	0
Multiple Dependent *(Small Entity)*	0	-	0	0	300.00 *(150.00)*	0
Extension of Time Fee *(Small Entity)*	One Month $110 *($55)*	Two Months $430 *($215)*	Three Months $980 *($490)*			110
Total						**$110.00**

XX The Commissioner is hereby authorized to charge any required fees to Deposit Account No. **50-1556**.

Date: 10/4/04

Respectfully submitted,

By: Jon A. Gibbons
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